

# 570

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: *VEGA et al.*

Serial No.: 10/022,390

Filed: December 17, 2001

For: *MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES*

Art Unit: 1614

Examiner: Unassigned



I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
U.S. Patent and Trademark Office, P.O. Box 2327,  
Arlington, VA 22202, on this date.

03/01/2002  
Date

Lynn Morkunas

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Arlington, VA 22202

Dear Sir:

Preliminary to examination of the above-captioned patent application entry of the following amendment is respectfully requested.

**IN THE SPECIFICATION:**

Please amend the specification as follows (a marked up copy of the amended specification is attached to this Amendment):

**Please replace the paragraphs on page 1, lines 2-12, with the following:**

**RELATED APPLICATIONS**

Benefit of priority under 35 U.S.C. § 119(e) is claimed to U.S. provisional application Serial No. 60/315,382, filed August 27, 2001, to Manuel Vega, Lila Drittanti, and Marjorie Flaux entitled "HIGH THROUGHPUT DIRECTED EVOLUTION BY RATIONAL MUTAGENESIS." The subject matter this application is incorporated in its entirety by reference thereto.

**FIELD OF INVENTION**

Mutant adeno-associated virus Rep proteins, recombinant viruses that express the proteins and nucleic acid molecule encoding the Rep proteins are provided. Uses of the recombinant viruses for treatment of diseases and vectors for gene therapy are also provided.

21